

REPLACEMENT SHEET

P P Q P S R P A P P P P A P P S 16
cgccgcccgcagccttctcgcccgccgcccccgccgctgcacccccatct 50
A L P R G G R A A R A G G P G S R 33
gctcttcccccgcgggggcgcgcgggcggggctgggggcccgggagccg 100
A R A A G A R G C R L R S Q L V 49
cgctcgggcagcgggggcgcggggctgccgctgcgctgcagctgggtgc 150
P V R A L G L G H R S D E L V R F 66
cggtgcgcgcgctcgscctggggccaccgctccgacgagctgggtgcgtttc 200
R F C S G S C R R A R S P H D L S 83
cgcttctgcagcggtccttgccgcccgcgcgctctccacacgacctcag 250
L A S L L G A G A L R P P P G S 99
cctggccagcctactggcgccggggccctgcgaccgcccccgggctccc 300
R P V S Q P C C R P T R Y E A V S 116
ggcccgtcagccagccctgctgcccaccacgcgctacgaagcggtctcc 350
F M D V N S T W R T V D R L S A T 133
ttcatggagctcaacagcacctggagaaccgtggaccgctctccgccac 400
A C G C L G *SEQ ID NO: 4 139
cgctgcggctgcctgggctgagggtcgctccagggttttcagactgg 450
acccttaccgggtggcctcttcctgc SEQ ID NO: 2 474

FIG. 1



REPLACEMENT SHEET

hGDNF : SEQ ID NO: 16
SPDKQMAVLPRRERNRQAAAAANPENSRRGKGRGGRGKN*GCVITAIHNVTDLGLGYETKEELIFRYCSC : 70
SEQ ID NO: 19
hNTN : -----ARLGAPCGLRLEVRUSELGLGYASEETVLFYRCAC : 37
SEQ ID NO: 22
hPSP : -----ALSGPCQLWSTLTSVAELGLGYASEEKVIFRYCAC : 35
SEQ ID NO: 25
hEVN : -----AGGPGSRARAAGARGCRLRSQLVPRALGLGHRSDLVRFRCSC : 45

* SEQ ID NO: 17 ** SEQ ID NO: 18 *
hGDNF : SCDA-EETTYKIKNISRNRRVS---DKVCGACCRPIAFDDLSFLDNLVYHILRKHSARKCGCI- :134
SEQ ID NO: 21
hNTN : ACEA-PARVYDGLRRIRRRR---EPVRAOPCCRPTAFEDVSFLDAHRYHTVHELARECAQV- :102
SEQ ID NO: 23 SEQ ID NO: 24
hPSP : SCPRGARTOHGLARLQGG-----RAHGGCCRPTRE-TVAFLLRHWRQTPOLSAACGCGG : 96
SEQ ID NO: 26 SEQ ID NO: 27
hEVN : SCRR-ARSPHDSLASILGAGALRPPPGSRPVSOCCRPTRE-AVSFMDVNSTWRIVDRLSATACGCLG :113

FIG. 2

REPLACEMENT SHEET



reading frame A	M P G L I S A	7
gagttttccctccacacagctaggagcccatgcccggcctgatctcagcc		50
R G Q P L L E V L P P Q A H L G A		24
cgaggacagccctccttgaggctccttcccccaagcccacctgggtgc		100
L F L P E A F L G L S A Q P A L		A40
cctctttctccctgaggctccacttgggtctctccgcgagcctgccctgt		150
W P T L A A L A L L S S V A E A S		A57
ggccccaccctggcgctcttggtctgctgagcagcgtcgagaggcctcc		200
L G S A P R S P A P R E G P P P V		A74
ctggggtccgcgccccgcagccctgcccccggaaggcccccgctgt		250
L A S P A G H L P G R	* SEQ ID NO: 6	A85
cctggcgctcccccgccggccacctgcccggtaggtgagagggcgaggggg		300
reading frame B	* L G L I P G	B6
cgggggcggggctggccccgggacaccgcgctgactgggtctcattccagg		350
G R T A E W C S G R A R R P P P		B22
gggacgcacggccccgctgggtgcagtgggaagagcccgggcgccgcccgc		400
Q P S R P A P P P P A P P S A L P		B39
agccttctcgggcccg-gcccccgccgctgcacccccatctgctcttccc		450
R G G <u>R A A R</u> A G G P G S R A R A		B56
cgcgggggcgcgcgggcggggctggggggccggggcagccgcgctcgggc		500
A G A R G C R L R S Q L V P V R		B72
agcgggggcgcggggctgcgcctgcgctcgagctgggtgcgggtgcgcg		550
A L G L G H R S D E L V R F R F C		B89
cgctcggcctggggccaccgctccgacgagctgggtgcggtttccgcttctgc		600
S G S C R R A R S F H D L S L A S		B106
agcggtctctgcgcgcgcgcgctctccacacgacctcagcctggccag		650
L L G A G A L R P P P G S R P V		B122
cctactggggcgccggggccctgcgaccgccccggggtcccggcccgtca		700
S Q P C C R P T R Y E A V S F M D		B139
gccagccctgctgccgaccacgcgctacgaagcgggtctccttcattggac		750
V <u>N S T</u> W R T V D R L S A T A C G		B156
gtcaacagcacctggagaaccgtggaccgcctctccgccaccgctgcgg		800
C L G	* SEQ ID NO: 7	B159
ctgcctgggctgagggtc SEQ ID NO: 5		819

FIG. 3



REPLACEMENT SHEET

1 CTGATGGGCGCTCCTGGTGTGATAGAGATGGAACTTGGACTTGGAGGCCTCTCCACGCT 11
M E L G L G G L S T L
S H C P W P R R Q SEQ ID NO: 28
61 GTCCCACTGCCCCCTGGCCTAGGCGGCAGTGTGAGTGGTTCTCCAGTGACTCCTACCTGGT 20
121 ACTGAGGAAAGGCGGCTTGACTGGTGAGGGAGAGCAGGGCTTGGCTTGGGACGCGGTTAG
181 GTGTGGGAGGGAAAATGGTCAGGGAGGGACCAGGTGAATGGGAGGAGGAGCGGGACTTCT
241 CTGAATGGTTCGGTGCACCTCAGGTGATTCTCCCTGGGCTCCAGAGGCAGCAAACCCAT
301 TATACTGGAACCTAGGCCCTTCTGAGTTTCCCCCTCCACACAGCTAGGAGCCCATGCCCG
361 GCCTGATCTCAGCCCGAGGACAGCCCCCTCCTTGAGGTCTTCTCCCAAGCCACCTGG
3'-1 A P L G L S A Q 3'-2 P A L W P 33
421 GTGCCCTCTTTCTCCCTGAGGCTCCACTTGGTCTCTCCGCGCAGCCTGCCCTGTGGCCCA
T L A A L A L L S S V A E A S L G S A P 53
481 CCCTGGCCGCTCTGGCTCTGCTGAGCAGCGTCGAGAGGCCTCCCTGGGCTCCGSGCCCC
R S P A P R E G P P P V L A S P A G H L 73
541 GCAGCCCTGCCCCCGGAAGCCCCCGCCTGTCTGGCGTCCCCCGCCGCCACCTGC
P SEQ ID NO: 29 74
601 CGGGTAGGTGAGAGGGCGAGGGGGCGGGGCGGGGCTGGCCCGGACACCGCGCGTGA CTG
3'-3 G G R T A R W C S G R A R R P P 90
661 GGTCTCATTCACAGGGGACGCACGGCCCGCTGGTGCAGTGAAGAGCCCGGCGGCCCGCG
P Q P S R P A P P P P A P P S A L P R G 110
721 CCGCAGCCTTCTCGGCCCGCGCCCCCGCGCCTGCACCCCATCTGCTCTTCCCCGCGGG
G R A A R → mature enovin A G G P G S R A R A A G A R G 130
781 GGCCGCGCGGCGCGGGCTGGGGGCGCGGCGAGCCGCGCTCGGGCAGCGGGGGCGCGGGG
C R L R S Q L V P V R A L G L G H R S D 150
841 TGCCGCTGCGCTCGCAGCTGGTGGCGGTGCGCGCTCGGCCTGGGCCACCGCTCCGAC
E L V R F R F C S 3'-4 G S C R R A R S P H D 170
901 GAGCTGGTGC GTTCTCGCTTCTGCAGCGGCTCTGCCGCGCGCGCTCTCCACACGAC
L S L A S L L G A G A L R P P P G S R P 190
961 CTCAGCCTGGCCAGCCTACTGGGCGCGGGGCGCCTGCGACCGCCCCCGGGCTCCCGGCC
V S Q P C C R P T R Y E A V S F M D V N 210
1021 GTCAGCCAGCCCTGCTGCCGACCCACGCGCTACGAAGCGGTCTCTTCATGGACGTCAAC
S T W R T V D R L S A T A C G C L G * SEQ ID NO: 30 228
1081 AGCACCTGGAGAACCGTGGACCGCCTCTCCGCCACCGCCTGCGGCTGCCTGGGCTGAGGG
1141 CTCGCTCCAGGGCTTTGCAGACTGGACCCTTACCGGTGGCTCTTCTTG SEQ ID NO: 8

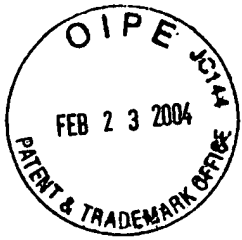
FIG. 21



REPLACEMENT SHEET

1 MELGLGGLST LSHCPWPRRQ APLGLSAQPA LWPTLAALAL LSSVAEASLG
51 SAPRSPAPRE GPPFVLASPA GHLPGGRTAR WCSGRARRPP PQPSRPAPPP
101 PAPPSALPRG GRAARAGGPG SRARAAGARG CRLRSQVLPV RALGLGHRSD
151 ELVRFRFCSG SCRRARSPHD LSLASLLGAG ALRPPPGSRP VSQPCCRPT
201 YEAVSFMDVN STWRTVDRLS ATACGCLG SEQ ID NO: 9

FIG. 23



REPLACEMENT SHEET

1 MELGLGGLST LSHCPWPRRQ PALWPTLAAL ALLSSVAEAS LGSAPRSPAP
51 REGPPPVLAS PAGHLPGGRT ARWCSGRARR PPPQSRPAP PPPAPPSALP
101 RGGRAARAGG PGSRARAAGA RGCRLRSQLV PVRALGLGHR SDELVRFRFC
151 SGSCRRARSP HDLSLASLLG AGALRPPPGS RPVSQPCCRP TRYEAVSFMD
201 VNSTWRTVDR LSATACGCLG SEQ ID NO: 10

FIG. 24